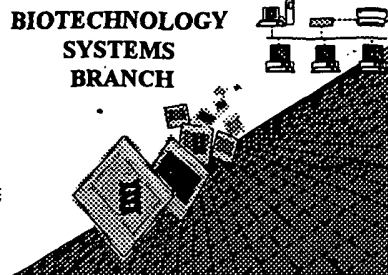


0420



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/010,050
Source: OIPK
Date Processed by STIC: 12/20/2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by the treatment given to all mail coming via the Brentwood Mail Facility.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom, including:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name,
1911 South Clark Street, Crystal Mall One, Sequence Information, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, 2011 South Clark Place, Customer Window, Box Sequence, Crystal Plaza Two,
Lobby, Room 1B03, Arlington, Virginia 22202
4. Federal Express Delivery, 2011 South Clark Street, Crystal Plaza 2, Room 1B03-Mailroom, Box Sequence,
Arlington, VA 22202

OIPE

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/10/010,050

DATE: 12/20/2001
 TIME: 13:16:25

p.s

Input Set : A:\97-38C1.SEQ.txt
 Output Set: N:\CRF3\12202001\J010050.raw

**Does Not Comply
 Corrected Diskette Needed**

OK

4 <110> APPLICANT: Sheppard, Paul O.
 5 Gilbertson, Debra G.
 7 <120> TITLE OF INVENTION: SECRETED PROTEINS ENCODED BY HUMAN CHROMOSOME 13
 9 <130> FILE REFERENCE: 97-38C1
 11 <140> CURRENT APPLICATION NUMBER: US/10/010,050
 11 <141> CURRENT FILING DATE: 2001-11-09
 11 <150> PRIOR APPLICATION NUMBER: 60/053,613
 12 <151> PRIOR FILING DATE: 1997-07-24
 14 <150> PRIOR APPLICATION NUMBER: 09/122,383
 15 <151> PRIOR FILING DATE: 1998-07-24
 17 <160> NUMBER OF SEQ ID NOS: 19
 19 <170> SOFTWARE: FastSEQ for Windows Version 3.0
 21 <210> SEQ ID NO: 1
 22 <211> LENGTH: 1486
 23 <212> TYPE: DNA
 24 <213> ORGANISM: Homo sapien
 26 <220> FEATURE:
 27 <221> NAME/KEY: CDS
 28 <222> LOCATION: (47)...(1084)
 30 <400> SEQUENCE: 1
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 32 Met Arg Arg
 33 1
 35 ggc gcg ggc gcg gct cgg gga cgc gct tcc tgg tgc tgg gcg ctg gcg 103
 36 Gly Ala Gly Ala Ala Arg Gly Arg Ala Ser Trp Cys Trp Ala Leu Ala
 37 5 10 15
 39 ctg ctt tgg ctc gcg gtg gtt ccg ggc tgg tcc cgg gtc tcg ggc atc 151
 40 Leu Leu Trp Leu Ala Val Val Pro Gly Trp Ser Arg Val Ser Gly Ile
 41 20 25 30 35
 43 ccc tcc cgg cgc cac tgg ccg gtg ccc tac aag cgc ttt gac ttc cgt 199
 44 Pro Ser Arg Arg His Trp Pro Val Pro Tyr Lys Arg Phe Asp Phe Arg
 45 40 45 50
 47 cca aaa cct gat cct tat tgt caa gct aag tat act ttc tgt cca act 247
 48 Pro Lys Pro Asp Pro Tyr Cys Gln Ala Lys Tyr Thr Phe Cys Pro Thr
 49 55 60 65
 51 ggc tca cct atc cca gtt atg gag ggt gat gat gac att gaa gtt ttt 295
 52 Gly Ser Pro Ile Pro Val Met Glu Gly Asp Asp Asp Ile Glu Val Phe
 53 70 75 80
 55 cga tta caa gcc cca gta tgg gaa ttt aaa tat gga gac ctc ctg gga 343
 56 Arg Leu Gln Ala Pro Val Trp Glu Phe Lys Tyr Gly Asp Leu Leu Gly
 57 85 90 95
 59 cac ttg aaa att atg cat gat gcc att gga ttc aga agt aca tta act 391
 60 His Leu Lys Ile Met His Asp Ala Ile Gly Phe Arg Ser Thr Leu Thr
 61 100 105 110 115
 63 ggc aag aac tac aca atg gaa tgg tat gaa ctt ttc caa ctt ggc aac 439
 64 Gly Lys Asn Tyr Thr Met Glu Trp Tyr Glu Leu Phe Gln Leu Gly Asn
 65 120 125 130

RAW SEQUENCE LISTING

DATE: 12/20/2001

PATENT APPLICATION: US/10/010,050

TIME: 13:16:25

Input Set : A:\97-38C1.SEQ.txt

Output Set: N:\CRF3\12202001\J010050.raw

67	tgt aca ttt ccc cat ctc cga cct gaa atg gat gcc cct ttc tgg tgt	487
68	Cys Thr Phe Pro His Leu Arg Pro Glu Met Asp Ala Pro Phe Trp Cys	
69	135 140 145	
71	aat caa ggc gct gcc tgc ttt ttt gag gga att gat gat gtt cac tgg	535
72	Asn Gln Gly Ala Ala Cys Phe Phe Glu Gly Ile Asp Asp Val His Trp	
73	150 155 160	
75	aag gaa aat ggg aca tta gtt caa gta gca act ata tca gga aac atg	583
76	Lys Glu Asn Gly Thr Leu Val Gln Val Ala Thr Ile Ser Gly Asn Met	
77	165 170 175	
79	ttc aac caa atg gca aag tgg gtg aaa cag gac aat gaa aca gga att	631
80	Phe Asn Gln Met Ala Lys Trp Val Lys Gln Asp Asn Glu Thr Gly Ile	
81	180 185 190 195	
83	tat tat gag aca tgg aat gta aaa gcc agc cca gaa aag ggg gca gag	679
84	Tyr Tyr Glu Thr Trp Asn Val Lys Ala Ser Pro Glu Lys Gly Ala Glu	
85	200 205 210	
87	aca tgg ttt gat tcc tac gac tgt tcc aaa ttt gtg tta agg acc ttt	727
88	Thr Trp Phe Asp Ser Tyr Asp Cys Ser Lys Phe Val Leu Arg Thr Phe	
89	215 220 225	
91	aac aag ttg gct gaa ttt gga gca gag ttc aag aac ata gaa acc aac	775
92	Asn Lys Leu Ala Glu Phe Gly Ala Glu Phe Lys Asn Ile Glu Thr Asn	
93	230 235 240	
95	tat aca aga ata ttt ctt tac agt gga gaa cct act tat ctg gga aat	823
96	Tyr Thr Arg Ile Phe Leu Tyr Ser Gly Glu Pro Thr Tyr Leu Gly Asn	
97	245 250 255	
99	gaa aca tct gtt ttt ggg cca aca gga aac aag act ctt ggt tta gcc	871
100	Glu Thr Ser Val Phe Gly Pro Thr Gly Asn Lys Thr Leu Gly Leu Ala	
101	260 265 270 275	
103	ata aaa aga ttt tat tac ccc ttc aaa cca cat ttg cca act aaa gaa	919
104	Ile Lys Arg Phe Tyr Tyr Pro Phe Lys Pro His Leu Pro Thr Lys Glu	
105	280 285 290	
107	ttt ctg ttg agt ctc ttg caa att ttt gat gca gtg att gtg cac aaa	967
108	Phe Leu Leu Ser Leu Leu Gln Ile Phe Asp Ala Val Ile Val His Lys	
109	295 300 305	
111	cag ttc tat ttg ttt tat aat ttt gaa tat tgg ttt tta cct atg aaa	1015
112	Gln Phe Tyr Leu Phe Tyr Asn Phe Glu Tyr Trp Phe Leu Pro Met Lys	
113	310 315 320	
115	ttc cct ttt att aaa ata aca tat gaa gaa atc cct tta cct atc aga	1063
116	Phe Pro Phe Ile Lys Ile Thr Tyr Glu Glu Ile Pro Leu Pro Ile Arg	
117	325 330 335	
119	aac aaa aca ctc tct ggt tta taaaacacct taattctact gctctttttt	1114
120	Asn Lys Thr Leu Ser Gly Leu	
121	340 345	
123	tctccaatca ccagcatctg tttttcaggg ggtgatttta cttttgtgaa ttccttagcc	1174
124	tttcttcctt ggtgcataaa gttaaaatgc acatcagcag aattgctgca tattaacatc	1234
125	tcaggactct tctcttgtaa agaagctgaa attcgtacta tattggccaa agtgagcgag	1294
126	ttaggtgatc ttggtttcaa tttccgagcc tttgttaata tggagaatta tggttcatat	1354
127	cagttatgta ggacctttgg acccagggtc ctacagatag atatggtgtg cccagatttt	1414
128	aaaaatacct tcaaaaataa aaaatacatt cagtgacaaa aaaaaaaaaa aaaaaatagc	1474
129	ggccgcctcg ag	1486

RAW SEQUENCE LISTING

DATE: 12/20/2001

PATENT APPLICATION: US/10/010,050

TIME: 13:16:25

Input Set : A:\97-38C1.SEQ.txt

Output Set: N:\CRF3\12202001\J010050.raw

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131 <210> SEQ ID NO: 2
132 <211> LENGTH: 346
133 <212> TYPE: PRT
134 <213> ORGANISM: Homo sapien
136 <400> SEQUENCE: 2
137 Met Arg Arg Gly Ala Gly Ala Ala Arg Gly Arg Ala Ser Trp Cys Trp
138 1 5 10 15
139 Ala Leu Ala Leu Trp Leu Ala Val Val Pro Gly Trp Ser Arg Val
140 20 25 30
141 Ser Gly Ile Pro Ser Arg Arg His Trp Pro Val Pro Tyr Lys Arg Phe
142 35 40 45
143 Asp Phe Arg Pro Lys Pro Asp Pro Tyr Cys Gln Ala Lys Tyr Thr Phe
144 50 55 60
145 Cys Pro Thr Gly Ser Pro Ile Pro Val Met Glu Gly Asp Asp Asp Ile
146 65 70 75 80
147 Glu Val Phe Arg Leu Gln Ala Pro Val Trp Glu Phe Lys Tyr Gly Asp
148 85 90 95
149 Leu Leu Gly His Leu Lys Ile Met His Asp Ala Ile Gly Phe Arg Ser
150 100 105 110
151 Thr Leu Thr Gly Lys Asn Tyr Thr Met Glu Trp Tyr Glu Leu Phe Gln
152 115 120 125
153 Leu Gly Asn Cys Thr Phe Pro His Leu Arg Pro Glu Met Asp Ala Pro
154 130 135 140
155 Phe Trp Cys Asn Gln Gly Ala Ala Cys Phe Phe Glu Gly Ile Asp Asp
156 145 150 155 160
157 Val His Trp Lys Glu Asn Gly Thr Leu Val Gln Val Ala Thr Ile Ser
158 165 170 175
159 Gly Asn Met Phe Asn Gln Met Ala Lys Trp Val Lys Gln Asp Asn Glu
160 180 185 190
161 Thr Gly Ile Tyr Tyr Glu Thr Trp Asn Val Lys Ala Ser Pro Glu Lys
162 195 200 205
163 Gly Ala Glu Thr Trp Phe Asp Ser Tyr Asp Cys Ser Lys Phe Val Leu
164 210 215 220
165 Arg Thr Phe Asn Lys Leu Ala Glu Phe Gly Ala Glu Phe Lys Asn Ile
166 225 230 235 240
167 Glu Thr Asn Tyr Thr Arg Ile Phe Leu Tyr Ser Gly Glu Pro Thr Tyr
168 245 250 255
169 Leu Gly Asn Glu Thr Ser Val Phe Gly Pro Thr Gly Asn Lys Thr Leu
170 260 265 270
171 Gly Leu Ala Ile Lys Arg Phe Tyr Tyr Pro Phe Lys Pro His Leu Pro
172 275 280 285
173 Thr Lys Glu Phe Leu Leu Ser Leu Leu Gln Ile Phe Asp Ala Val Ile
174 290 295 300
175 Val His Lys Gln Phe Tyr Leu Phe Tyr Asn Phe Glu Tyr Trp Phe Leu
176 305 310 315 320
177 Pro Met Lys Phe Pro Phe Ile Lys Ile Thr Tyr Glu Glu Ile Pro Leu
178 325 330 335
179 Pro Ile Arg Asn Lys Thr Leu Ser Gly Leu
180 340 345

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/010,050

DATE: 12/20/2001

TIME: 13:16:25

Input Set : A:\97-38C1.SEQ.txt

Output Set: N:\CRF3\12202001\J010050.raw

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182 <210> SEQ ID NO: 3
183 <211> LENGTH: 18
184 <212> TYPE: DNA
185 <213> ORGANISM: Artificial Sequence
187 <220> FEATURE:
188 <223> OTHER INFORMATION: Oligonucleotide ZC976
190 <400> SEQUENCE: 3
191  cgttgtaaaa cgacggcc                                18
193 <210> SEQ ID NO: 4
194 <211> LENGTH: 17
195 <212> TYPE: DNA
196 <213> ORGANISM: Artificial Sequence
198 <220> FEATURE:
199 <223> OTHER INFORMATION: Oligonucleotide ZC447
201 <400> SEQUENCE: 4
202  taacaatttc acacagg                                17
204 <210> SEQ ID NO: 5
205 <211> LENGTH: 20
206 <212> TYPE: DNA
207 <213> ORGANISM: Artificial Sequence
209 <220> FEATURE:
210 <223> OTHER INFORMATION: Oligonucleotide ZC14487
212 <400> SEQUENCE: 5
213  gacttccgtc caaaacctga                                20
215 <210> SEQ ID NO: 6
216 <211> LENGTH: 20
217 <212> TYPE: DNA
218 <213> ORGANISM: Artificial Sequence
220 <220> FEATURE:
221 <223> OTHER INFORMATION: Oligonucleotide ZC14716
223 <400> SEQUENCE: 6
224  aggggcatcc atttcaggtg                                20
226 <210> SEQ ID NO: 7
227 <211> LENGTH: 20
228 <212> TYPE: DNA
229 <213> ORGANISM: Artificial Sequence
231 <220> FEATURE:
232 <223> OTHER INFORMATION: Oligonucleotide ZC14712
234 <400> SEQUENCE: 7
235  atggctaaac caagagtctt                                20
237 <210> SEQ ID NO: 8
238 <211> LENGTH: 20
239 <212> TYPE: DNA
240 <213> ORGANISM: Artificial Sequence
242 <220> FEATURE:
243 <223> OTHER INFORMATION: Oligonucleotide ZC14710
245 <400> SEQUENCE: 8
246  gggtgaaaca ggacaatgaa                                20
248 <210> SEQ ID NO: 9

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/010,050

DATE: 12/20/2001

TIME: 13:16:25

Input Set : A:\97-38C1.SEQ.txt

Output Set: N:\CRF3\12202001\J010050.raw

```

249 <211> LENGTH: 20
250 <212> TYPE: DNA
251 <213> ORGANISM: Artificial Sequence
253 <220> FEATURE:
254 <223> OTHER INFORMATION: Oligonucleotide ZC14488
256 <400> SEQUENCE: 9
257 ttatgcacca aggaagaaag 20
259 <210> SEQ ID NO: 10
260 <211> LENGTH: 20
261 <212> TYPE: DNA
262 <213> ORGANISM: Artificial Sequence
264 <220> FEATURE:
265 <223> OTHER INFORMATION: Oligonucleotide ZC14711
267 <400> SEQUENCE: 10
268 ttttctccaa tcaccagcat 20
270 <210> SEQ ID NO: 11
271 <211> LENGTH: 18
272 <212> TYPE: DNA
273 <213> ORGANISM: Artificial Sequence
275 <220> FEATURE:
276 <223> OTHER INFORMATION: Oligonucleotide ZC14430
278 <400> SEQUENCE: 11
279 gtacatttcc ccattctcc 18
281 <210> SEQ ID NO: 12
282 <211> LENGTH: 18
283 <212> TYPE: DNA
284 <213> ORGANISM: Artificial Sequence
286 <220> FEATURE:
287 <223> OTHER INFORMATION: Oligonucleotide ZC14431
289 <400> SEQUENCE: 12
290 ccattttcct tccagtga 18
292 <210> SEQ ID NO: 13
293 <211> LENGTH: 1038
294 <212> TYPE: DNA
295 <213> ORGANISM: Artificial Sequence
297 <220> FEATURE:
298 <223> OTHER INFORMATION: Degenerate nucleotide sequence encoding zsig46
299 polypeptide of SEQ ID NO:2
301 <400> SEQUENCE: 13
W--> 302 atgmgmgmgg gngcngnggc ngcnmgnggn mgngcnwsnt ggtgytgggc ngtngcnytn 60
W--> 303 yntnggytng cngtngtnc nngntggwsn mgngtnwsng gnathccnws nmgnmgncay 120
W--> 304 tggecngtnc cntayaarmg nttygaytty mgncnaarc cngayccnta ytgycargcn 180
W--> 305 aartayacnt tytgyccnac nggnwsnccn athcngtna tggarggnga ygaygayath 240
W--> 306 gargnttym gnytnargc nccngnttg garttyaart ayggngayyt nytnngncay 300
W--> 307 ytnaaratha tgaygaygc nathggntty mgwnsnacny tnacnggnaa raaytayacn 360
W--> 308 atggartggt aygaryntt ycarytnggn aaytgyacnt tyccncayyt nmgnccngar 420
W--> 309 atggaygcnc cnttytggtg yaaycarggn gcngcntgyt tyttygargg nathgaygay 480
W--> 310 gtncaytgga argaraaygg nacnyntgn cargtngcna cnathwsngg naayatgtty 540
W--> 311 aaycaratgg cnaartgggt naarcargay aaygaracng gnathtayta ygaracntgg 600

```

see
item 9
on Ena
Summary
Sheet

Use of n and/or Xaa has been detected in the Sequence Listing.
Review the Sequence Listing to insure a corresponding
explanation is presented in the <220> to <223> fields of
each sequence using n or Xaa.

VERIFICATION SUMMARY

DATE: 12/20/2001

PATENT APPLICATION: US/10/010,050

TIME: 13:16:26

Input Set : A:\97-38C1.SEQ.txt

Output Set: N:\CRF3\12202001\J010050.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application No
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:302 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:13
L:302 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:13
L:302 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:303 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:13
L:303 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:13
L:303 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:304 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:13
L:304 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:13
L:304 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:305 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:13
L:305 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:13
L:305 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:306 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:13
L:306 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:13
L:306 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:307 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:13
L:307 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:13
L:307 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:308 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:13
L:308 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:13
L:308 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:309 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:13
L:309 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:13
L:309 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:310 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:13
L:310 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:13
L:310 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:311 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:13
L:311 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:13
L:311 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:312 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:13
L:312 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:13
L:312 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:313 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:13
L:313 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:13
L:313 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:314 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:13
L:314 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:13
L:314 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:315 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:13
L:315 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:13
L:315 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:316 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:13
L:316 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:13
L:316 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:317 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:13

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/010,050

DATE: 12/20/2001

TIME: 13:16:26

Input Set : A:\97-38C1.SEQ.txt

Output Set: N:\CRF3\12202001\J010050.raw

L:317 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:13
L:317 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:318 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:13
L:318 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:13
L:318 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:319 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:13
L:319 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:13
L:319 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER: 10/010,050

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics
 Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 Invalid Line Length The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3 Misaligned Amino
 Numbering The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4 Non-ASCII The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5 Variable Length Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 PatentIn 2.0
 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7 Skipped Sequences
 (OLD RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:
 (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
 (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 This sequence is intentionally skipped

 Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8 Skipped Sequences
 (NEW RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence.
 <210> sequence id number
 <400> sequence id number
 000
- 9 Use of n's or Xaa's
 (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
 Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
 In <220> to <223> section, please explain location of n or Xaa; and which residue n or Xaa represents.
- 10 Invalid <213>
 Response Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
- 11 Use of <220> Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses.
 Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
 (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 PatentIn 2.0
 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13 Misuse of n n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.